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Express Mail: EV 630723220 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RE Application of:

Confirmation No.: 1322

Serial No.: 10/723,123

Applicant: SCHAAP ET AL

Filed: November 26, 2003

Group Art Unit: 1645

Examiner: BASKAR, P.

For: COCCIDIOSIS VACCINES

Attorney Docket: I-1998.407 US D2

May 4, 2006

INFORMATION DISCLOSURE STATEMENT AND TRANSMITTAL OF FEE PURSUANT TO 37 CFR 1.97(c)

Mail Stop: Amendment Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir/Madam:

To comply with 37 CFR §§1.97 and 1.98, Applicants submit the enclosed combined Form PTO/SB/08A and PTO/SB/08B, and copies of the cited information (to the extent required by the Patent Office).

In accordance with MPEP §§609 and 707.05(b), Applicants request that the enclosed statement be given thorough consideration, and that the Examiner make the cited information of record by initialing the statement next to each citation. Applicants request such initialing even if the Examiner does not consider: (1) the cited information to be sufficiently pertinent to use in a Page 1 of 3

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Information Disclosure Statement

Attorney Docket No. I-1998.407 US D2

rejection, or (2) the guidelines for a citation to have been fully satisfied. Applicants make this request so that the information will be cited on the face of a patent issuing from this patent application.

Applicants submit this statement in accordance with the duty to disclose information material to patentability under 37 CFR §1.56. Applicants, however, are not admitting that the information is necessarily relevant or prior art. In addition, Applicants are not representing that the cited information represents the results from a complete search. Applicants anticipate that the Examiner, in the normal course of examination, will make an independent search consistent with 37 CFR §1.104, and, in the course of such search, will review for relevance the cited information, even if not initialed.

Per the Patent Office's rules, Applicants have not enclosed any of the cited published U.S. patent or patent application references. Applicants, however, are happy to provide copies of any such references upon request from the Examiner.

This statement is being submitted (1) more than 3 months after the filing date of this application, (2) after the issuance of a substantive office action, and (3) before the issuance of a final official action or notice of allowance. The Commissioner is hereby authorized to charge the fee under 37 C.F.R. §1.17(p) to Deposit Account No. 02-2334. Applicants do not believe that they owe any additional fee in connection with this filing. If, however, Applicants do owe any such fee(s), the Commissioner is hereby authorized to charge the fee(s) to Deposit Account No. 02-2334. In addition, if there is ever any other fee deficiency or overpayment under 37 C.F.R. §1.16 or 1.17 in connection with this patent application, the Commissioner is hereby authorized to

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Information Disclosure Statement Attorney Docket No. I-1998.407 US D2

charge such deficiency or overpayment to Deposit Account No. 02-2334.

Applicants submit that this patent application is in condition for allowance, and request that it be allowed. The Examiner is requested to call the Undersigned if any issues arise that can be addressed over the phone to expedite examination of this application.

Respectfully submitted,

Aaron L. Schwartz Reg. No. 48,181

Attorney for Applicants

Patent Counsel Patent Department Intervet Inc. P.O. Box 318 Millsboro, DE 19966 (302) 933-4034 (tel) (302) 934-4305 (fax)

ALS:dap

PTO/SB/08A (07-05)
Approved for use through 07/31/2006. OMB 0651-0031
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Substitute for form 1449/PTO
Application Nur

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 2

Sheet 1

Complete if Known				
Application Number	10/723,123			
Filing Date	November 26, 2003			
First Named Inventor	Theodorus C. Schaap et al.			
Art Unit	1645			
Examiner Name	Baskar, P.			
Attorney Docket Number	I-1998 407 US D2			

U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		^{US-} 5,597,807	01-28-1997	Alberto Estrada, et al.			
		^{US-} 4,981,684	01-01-1991	Neill M. MacKenzie, et al.			
		US- 2002/0006408 A1	01-17-2002	Arno N. Vermeulen, et al.			
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	FOREIGN PATENT DOCUMENTS						
Examiner Cite Initials* No.		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶	
		EPO 0 382 531	08-16-1990	Merck & Co. Inc.			
		EPO 0 135 712	04-03-1985	American Cyanamid Co.			
		EPO 0 439 056	07-31-1991	F. Hoffmann-LA Roche AG			
		NZ 330158	07-28-1998	Akzo Nobel N.V.		Г	
		EPO 0 337 589	10-18-1989	Merck & Co. Inc.			
		EPO 0 231 537	08-12-1987	Solvay & Cie			

Examiner	Date	
Signature	Considered	

*EXAMINE: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (07-05)

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Substitute for form 1449/PTO				Complete if Known			
				Application Number	10/723,123		
JNF	ORMATION	DIS	CLOSURE	Filing Date	November 26, 2006		
STATEMENT BY APPLICANT		First Named Inventor	Theodorus C. Schaap, et al.				
	(Use as many she	ote ae n	acassan)	Art Unit	1645		
	(Osc as many sne	C13 U3 //	ecessary	Examiner Name	Baskar, P.		
Sheet	2	of	2	Attorney Docket Number	I-1998:407 US D2		

	Т 2	NON PATENT LITERATURE DOCUMENTS	
Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), titl the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-is number(s), publisher, city and/or country where published.			T ²
		GURNETT, A. et al. "A family of glycolipid linked in Eimeria tenella" Molecular and Biochemical Parasitology, 1990, 41:177-186	
		HOUGHTEN, R.A. et al. "Relative Importance of Position and Individual" pp21-25 in Vaccines86, Fred Brown, ed., Cold Spring Harbor Laboratory, 1986	
		BURGESS, W. et al. "Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast)" J. of Cell Biology, 1990, 111:2129-2138	
		LAZAR, E. et al. "Transforming Growth Factor a: Mutation of Aspartic Acid 47 and Leucine 48 Results" Molecular and Cellular Biology 8:1247-1252 (March 1988)	
		Prosecution History for U.S. Patent Application No. 09/056,806, filed April 8, 1998, Vermeulen, et al.	
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	J.		

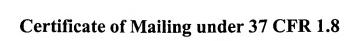
Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Commissioned Include copy or this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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on <u>May 4, 2006</u>.

Diane Payne

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Applicant: Schaap, et al. Serial No: 10/723,123

Invention Title: Coccidiosis Vaccines Filing Date: November 26, 2003

Customer No.: 31846

Attorney Docket: I-1998.407 US D2

Receipt acknowledged of the following documents in the above-identified application:

Information Disclosure Statement (3 pages)

PTO Form SB-08A (1 page)

PTO Form SB-08B (1 page)

Cited References (11 ref.).

Self-addressed stamped post card (1)